| Ref        | Hits | Search Query  | DBs                             | Default<br>Operator | Plurals | Time Stamp       |
|------------|------|---|---------------------------------|---------------------|---------|------------------|
| S4         | 564  | (398/79).CCLS.  | USPAT                           | OR                  | OFF     | 2006/02/09 15:19 |
| <b>S</b> 7 | 217  | (398/152).CCLS.   | USPAT                           | OR                  | OFF     | 2005/07/21 17:54 |
| S12        | 156  | (398/204).CCLS.   | USPAT                           | OR                  | OFF     | 2005/07/21 18:02 |
| S13        | 19   | (orthogonal with polarization) same multiplex\$3 same local                       | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2005/07/21 18:03 |
| S14        | 24   | (orthogonal with polarization) same<br>multiplex\$3 same (local or<br>oscillator) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2005/07/21 18:07 |
| S15        | 19   | (polarization) same multiplex\$3 same (homodyne or heterodyne) same orthogonal    | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2005/07/21 18:10 |
| S16        | 545  | (orthogonal with polarization) same multiplex\$3                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2005/07/21 18:10 |
| S17        | 40   | S16 and calibration\$1  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2005/07/21 18:13 |
| S18        | 252  | S16 and demultiplex\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2005/07/21 18:13 |
| S19        | 10   | S18 and homodyne  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2005/07/21 18:14 |
| S20        | 12   | S18 and heterodyne  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2005/07/21 18:14 |
| S21        | 114  | (398/65).CCLS.  | USPAT                           | OR                  | OFF     | 2005/07/22 09:49 |
| S22        | 38   | (398/74).CCLS.  | USPAT                           | OR                  | OFF     | 2005/07/22 10:03 |
| S23        | 84   | (398/76).CCLS.  | USPAT                           | OR                  | OFF     | 2005/07/22 10:06 |
| S24        | 200  | (398/91).CCLS.  | USPAT                           | OR                  | OFF     | 2005/07/22 10:12 |
| S25        | 123  | (398/140).CCLS.   | USPAT                           | OR                  | OFF     | 2005/07/22 10:18 |
| S26        | 61   | (398/163).CCLS.   | USPAT                           | OR                  | OFF     | 2005/07/22 10:21 |
| S27        | 99   | (398/184).CCLS.   | USPAT                           | OR                  | OFF     | 2005/07/22 11:37 |
| S28        | 40   | (398/203).CCLS.   | USPAT                           | OR                  | OFF     | 2005/07/22 11:39 |
| S29        | 99   | (398/185).CCLS.   | USPAT                           | OR                  | OFF     | 2005/07/22 11:43 |
| S30        | 105  | (fdm or (frequency adj<br>multiplex\$3)) same polarization                        | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | OFF     | 2005/07/22 11:44 |
| S31        | 156  | (398/204).CCLS.   | USPAT                           | OR                  | OFF     | 2005/07/22 15:18 |
| S32        | 96   | (398/205).CCLS.   | USPAT                           | OR                  | OFF     | 2005/07/22 15:18 |

|     | <del></del> |  |                                 | <del></del> | <del>,</del> | <u></u>          |
|-----|-------------|--|---------------------------------|-------------|--------------|------------------|
| S33 | 61          | S31 and (quadrature or orthogonal)   | USPAT                           | OR          | OFF          | 2005/07/22 15:24 |
| S34 | 74          | S32 and (quadrature or orthogonal)   | USPAT                           | OR          | OFF          | 2005/07/22 15:26 |
| S35 | 70          | (wavelength near5 spacing near5 control\$3)  | USPAT                           | OR          | OFF          | 2005/07/22 15:33 |
| S36 | 3           | S35 and (modulator near3 control\$3)   | USPAT                           | OR          | ON           | 2005/07/22 15:28 |
| S37 | 10          | ((wavelength near5 spac\$3) with control\$3) same polarization\$1  | USPAT                           | OR          | OFF          | 2005/07/22 15:34 |
| S38 | 72          | (optical adj switch\$3) same split\$4<br>same detect\$3 same delay\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR          | OFF          | 2005/07/22 15:49 |
| S39 | 3348        | (adjust\$3 or control\$3) same (state near1 polarization\$1)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR          | OFF          | 2005/07/22 15:59 |
| S40 | 133         | (adjust\$3 or control\$3) same (state near1 polarization\$1) same (mode adj dispersion\$1)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR          | OFF          | 2005/07/22 16:00 |
| S41 | 76          | (adjust\$3 or control\$3) near3 (state near1 polarization\$1) same (mode adj dispersion\$1)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR          | OFF          | 2005/07/22 16:01 |
| S42 | 18          | (adjust\$3 or control\$3) near3 (state near1 polarization\$1) same (rotation near3 angle)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR          | OFF          | 2005/07/22 16:06 |
| S43 | 8           | (adjust\$3 or control\$3) near3<br>((state near1 polarization\$1) or<br>sop) with (rotation near3 angle)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR          | OFF          | 2005/07/22 16:07 |
| S44 | 9           | (adjust\$3 or control\$3) near3<br>((state near1 polarization\$1) or<br>sop) with (rotation near3 angle)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR          | ON           | 2005/07/22 16:08 |
| S45 | 4           | (adjust\$3 or control\$3) near3<br>((state near1 polarization\$1) or<br>sop) with ((calculat\$3 or<br>determin\$3 or measure\$3) with<br>rotation\$3 with angle) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR          | ON           | 2005/07/22 16:10 |
| S46 | , <b>9</b>  | (adjust\$3 or control\$3) with ((state near1 polarization\$1) or sop) with ((calculat\$3 or determin\$3 or measure\$3) with rotation\$3 with angle)              | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR          | ON           | 2005/07/22 16:13 |
| S47 | 0           | (comb adj benerator\$1) same polarization\$1   | USPAT                           | OR          | ON           | 2005/07/23 12:47 |
| S48 | 0           | (comb adj benerator\$1) same wdm   | USPAT                           | OR          | ON           | 2005/07/23 12:47 |
| S49 | 2           | (comb adj generator\$1) same wdm   | USPAT                           | OR          | ON           | 2005/07/23 12:47 |
| S50 | 18          | (comb adj generator\$1) same multiplex\$3  | USPAT                           | OR          | ON           | 2005/07/23 12:51 |

| S52   | 1   |      |  | T     | _  |     | <del></del>      |
|---|-----|------|--|-------|----|-----|------------------|
| Control\$5 or adjust\$5     Control\$5 or adjust\$5     Control\$5 or adjust\$5     Control\$5 or adjust\$5     Control\$5 or adjust\$3     Control\$5 or adjust*3     Control\$5 or adj | S51 | 102  |  | USPAT | OR | ON  | 2005/07/23 12:52 |
| S54   | S52 | 18   |  | USPAT | OR | ON  | 2005/07/23 12:55 |
| S55   7 (polariz\$5 near3 modulat\$3)   | S53 | 1284 |  | USPAT | OR | ON  | 2005/07/23 12:56 |
| S56   198   ((\$3shap\$3) near3 (beam\$1 or pulse or optical or light)) same (modulat\$3)   S57   29   ((\$3shap\$3) near3 (beam\$1 or pulse or optical or light)) same (modulat\$3) same multiplex\$3   USPAT   OR   | S54 | 0    |  | USPAT | OR | ON  | 2005/07/23 12:56 |
| Description of the properties of the propertie  | S55 | 7    | ,  | USPAT | OR | ON  | 2005/07/23 12:57 |
| Description of the pulse of optical or light) same (modulat\$3) same wdm  | S56 | 198  | pulse or optical or light)) same                                       | USPAT | OR | ON  | 2005/07/23 13:00 |
| Description of the pulse of optical or light) same ((prior or before) adj modulat\$3)   Same wdm   S59   23   ((\$3shap\$3) near3 (beam\$1 or pulse or optical or light)) same ((prior or before) adj modulat\$3)   USPAT   OR  | S57 | 29   | pulse or optical or light)) same                                       | USPAT | OR | ON  | 2005/07/23 13:04 |
| pulse or optical or light) same ((prior or before) adj modulat\$3)  | S58 | 0    | pulse or optical or light)) same<br>((prior or before) adj modulat\$3) | USPAT | OR | ON  | 2005/07/23 13:05 |
| Dulse or optical or light)) same ((prior or before) adj3 modulat\$3)   USPAT   OR   OFF   2005/07/23  | S59 | 23   | pulse or optical or light)) same                                       | USPAT | OR | ON  | 2005/07/23 13:08 |
| S62       194       (heterodyne) with integrat\$3       USPAT       OR       OFF       2005/07/23         S63       7       S62 and wdm       USPAT       OR       OFF       2005/07/23         S64       305       (heterodyne) with (add\$3 or sum\$\$4\$)       USPAT       OR       OFF       2005/07/23         S65       8       S64 and wdm       USPAT       OR       OFF       2005/07/23         S66       73       S64 and multiplex\$3       USPAT       OR       OFF       2005/07/23         S67       49       S66 and (optical or light)       USPAT       OR       OFF       2005/07/23         S68       127       (polarization\$1) with (stoke\$1parameter\$1 or (stoke\$       USPAT       OR       OFF       2005/07/23   | S60 | 69   | pulse or optical or light)) same                                       | USPAT | OR | ON  | 2005/07/23 13:08 |
| S63       7       S62 and wdm       USPAT       OR       OFF       2005/07/23         S64       305       (heterodyne) with (add\$3 or sum\$\$4\$)       USPAT       OR       OFF       2005/07/23         S65       8       S64 and wdm       USPAT       OR       OFF       2005/07/23         S66       73       S64 and multiplex\$3       USPAT       OR       OFF       2005/07/23         S67       49       S66 and (optical or light)       USPAT       OR       OFF       2005/07/23         S68       127       (polarization\$1) with (stoke\$1parameter\$1 or (stoke\$       USPAT       OR       OFF       2005/07/23   | S61 | 2    | (heterodyne) near5 symbol  | USPAT | OR | OFF | 2005/07/23 15:09 |
| S64       305       (heterodyne) with (add\$3 or sum\$4)       USPAT       OR       OFF       2005/07/23         S65       8       S64 and wdm       USPAT       OR       OFF       2005/07/23         S66       73       S64 and multiplex\$3       USPAT       OR       OFF       2005/07/23         S67       49       S66 and (optical or light)       USPAT       OR       OFF       2005/07/23         S68       127       (polarization\$1) with (stoke\$1parameter\$1 or (stoke\$       USPAT       OR       OFF       2005/07/23   | S62 | 194  | (heterodyne) with integrat\$3  | USPAT | OR | OFF | 2005/07/23 15:11 |
| S65       8       S64 and wdm       USPAT       OR       OFF       2005/07/23         S66       73       S64 and multiplex\$3       USPAT       OR       OFF       2005/07/23         S67       49       S66 and (optical or light)       USPAT       OR       OFF       2005/07/23         S68       127       (polarization\$1) with (stoke\$1parameter\$1 or (stoke\$       USPAT       OR       OFF       2005/07/23  | S63 | 7    | S62 and wdm  | USPAT | OR | OFF | 2005/07/23 15:10 |
| S66         73         S64 and multiplex\$3         USPAT         OR         OFF         2005/07/23           S67         49         S66 and (optical or light)         USPAT         OR         OFF         2005/07/23           S68         127         (polarization\$1) with (stoke\$1parameter\$1 or (stoke\$         USPAT         OR         OFF         2005/07/23  | S64 | 305  |  | USPAT | OR | OFF | 2005/07/23 15:11 |
| S67         49         S66 and (optical or light)         USPAT         OR         OFF         2005/07/23           S68         127         (polarization\$1) with (stoke\$1parameter\$1 or (stoke\$         USPAT         OR         OFF         2005/07/23  | S65 | 8    | S64 and wdm  | USPAT | OR | OFF | 2005/07/23 15:13 |
| S68 127 (polarization\$1) with (stoke\$1parameter\$1 or (stoke\$  | S66 | 73   | S64 and multiplex\$3   | USPAT | OR | OFF | 2005/07/23 15:13 |
| (stoke\$1parameter\$1 or (stoke\$   | S67 | 49   | S66 and (optical or light)   | USPAT | OR | OFF | 2005/07/23 15:13 |
| adj1 parameter\$1))   | S68 | 127  | (stoke\$1parameter\$1 or (stoke\$                                      | USPAT | OR | OFF | 2005/07/23 17:57 |
| S69 2 (polarization\$1) with (stoke\$1parameter\$1 or (stoke\$ adj1 parameter\$1)) same error OR OFF 2005/07/23   | S69 | 2    | (stoke\$1parameter\$1 or (stoke\$                                      | USPAT | OR | OFF | 2005/07/23 17:59 |
| S70 8 (split\$4 near5 polarization\$1) with (stoke\$1parameter\$1 or (stoke\$ adj1 parameter\$1))  OR OFF 2005/07/23  | S70 | 8    | (stoke\$1parameter\$1 or (stoke\$                                      | USPAT | OR | OFF | 2005/07/23 17:59 |
| S71 2 (("4096448") or ("5347525")).PN. USPAT OR OFF 2005/07/23  | 571 | 2    | (("4096448") or ("5347525")).PN.                                       | USPAT | OR | OFF | 2005/07/23 18:55 |

|       |     | ·   |                                 | 1  | τ    |                  |
|-------|-----|---|---------------------------------|----|------|------------------|
| S72   | 6   | (homodyne adj receiver) same orthogonal same quadrature                         | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2006/02/09 15:22 |
| S73   | 91  | (homodyne adj receiver) same quadrature   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2006/02/09 16:02 |
| S74   | 207 | (398/91).CCLS.  | USPAT                           | OR | OFF  | 2006/02/09 15:52 |
| S75   | 66  | (398/94).CCLS.  | USPAT                           | OR | OFF  | 2006/02/09 15:45 |
| S76   | 69  | (398/196).CCLS.   | USPAT                           | OR | OFF  | 2006/02/09 15:59 |
| S77   | 113 | (398/197).CCLS.   | USPAT                           | OR | OFF  | 2006/02/09 16:00 |
| S78   | 775 | (select\$3 with laser) same control\$5 same phase                               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2006/02/09 16:03 |
| S79   | 228 | (select\$3 with laser) with control\$5 with phase                               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2006/02/09 16:03 |
| S80   | 10  | (select\$3 with laser) with control\$5 with phase with delay                    | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2006/02/09 16:04 |
| S81   | 1   | (select\$3 near3 laser) with control\$5 with phase with delay                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2006/02/09 16:05 |
| S82   | 164 | (select\$3 near3 (laser or source)) with control\$5 with delay                  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2006/02/09 16:06 |
| S83   | 11  | (select\$3 near3 (laser or source))<br>with control\$5 with delay with<br>phase | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2006/02/09 16:05 |
| S84   | 9   | (phase adj diversity) same<br>orthogonal  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2006/02/10 09:27 |
| S85   | 96  | (control\$5 near5 laser) same split\$3 same delay                               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON " | 2006/02/10 10:21 |
| S86   | 18  | (control\$5 near5 laser) same<br>(optical adj switch) same delay                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2006/02/10 10:25 |
| S87 . | 3   | (select\$3 near5 laser) same (optical adj switch) same delay                    | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2006/02/10 10:26 |
| S88   | 176 | (select\$3 near5 laser) same (optical adj switch)                               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2006/02/10 10:40 |
| S89   | 105 | (select\$3 near5 laser) with (optical adj switch)                               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2006/02/10 10:35 |

| S90 | 1   | ("6501773").PN.   | USPAT                           | OR | OFF | 2006/02/10 10:35 |
|-----|-----|---|---------------------------------|----|-----|------------------|
| S91 | 0   | S90 and delay\$3  | USPAT                           | OR | ON  | 2006/02/10 10:35 |
| S92 | 1   | S90 and phase   | USPAT                           | OR | ON  | 2006/02/10 10:35 |
| S93 | 942 | (polarization adj mode adj<br>dispersion) same compensat\$3 | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2006/02/10 10:41 |
| S94 | 72  | S93 and (rotation adj angle)                                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2006/02/10 10:41 |